vivolight

Panvasis™ ZERO

First Panvascular Multimodality OCT System
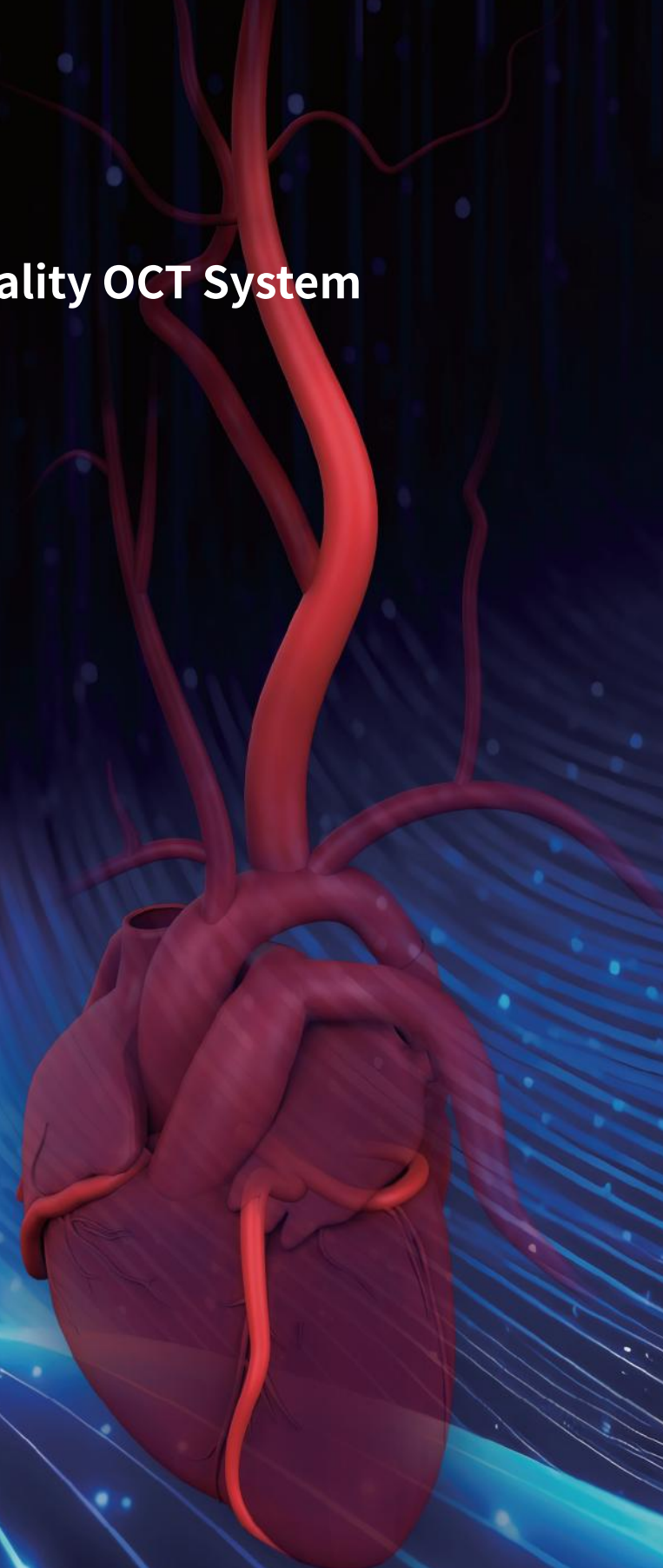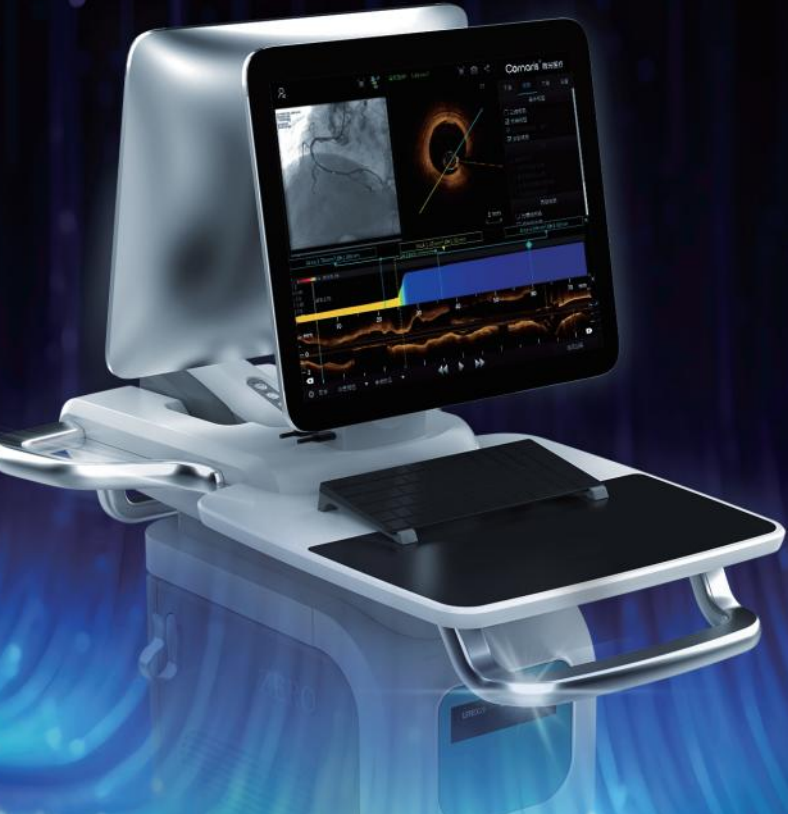
OCT Images for Coronary Artery

Dissection	Plaque Rupture	Plaque Erosion	Calcified Nodules	Stent Malapposition
Micro Channels	Macrophage Infiltration	Woven Blood Vessel	Red Thrombosis	In-stent Restenosis

OCT Images for Carotid Artery

Dissection	Plaque Rupture	Plaque Erosion	Calcified Nodules	Stent Malapposition
Fibrous Plaque	Lipid Plaque	Woven Blood Vessel	Mixed Thrombosis	Plaque Prolapse

Panvasis™ ZERO

Indication	Coronary & Carotid Arteries
Resolution (μm)	≤15
Frame rate (f/s)	200
Pullback length (mm)	40/55/80
Pullback speed (mm/s)	20/40
Max imaging range in contrast (mm)	22

vivolight

Shenzhen Vivolight Medical Device & Technology Co.,Ltd.

First Panvascular Multimodality OCT System
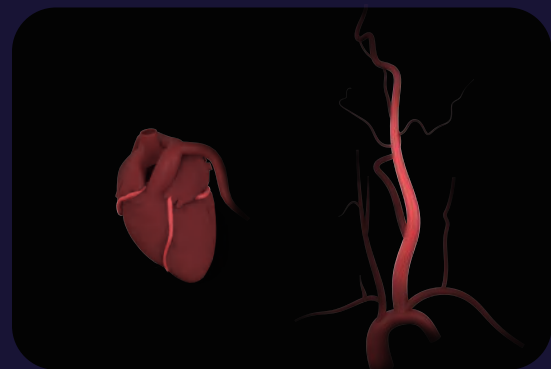
Panvascular OCT System
Indicated for coronary and neuro-interventions

Maximum Imaging Range 22mm
Vessels with a diameter less than 11mm can be imaged

Three Major Scanning Modes

80mm
Full View Mode
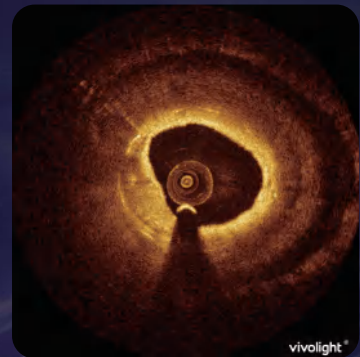Complete an ultra-long pullback of 80mm in 2 seconds

55mm
High Definition Mode
Complete an ultra HD scan of 55mm in 2.75 seconds
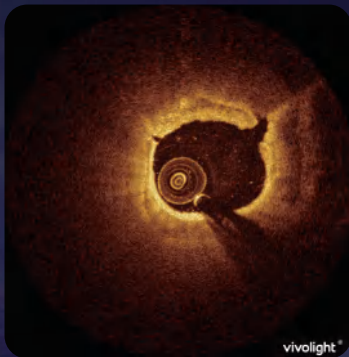
40mm
Super Fast Mode
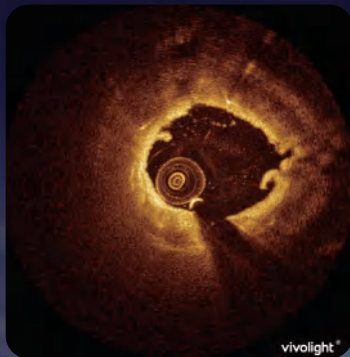Complete a super fast pullback length of 40mm in 1 second
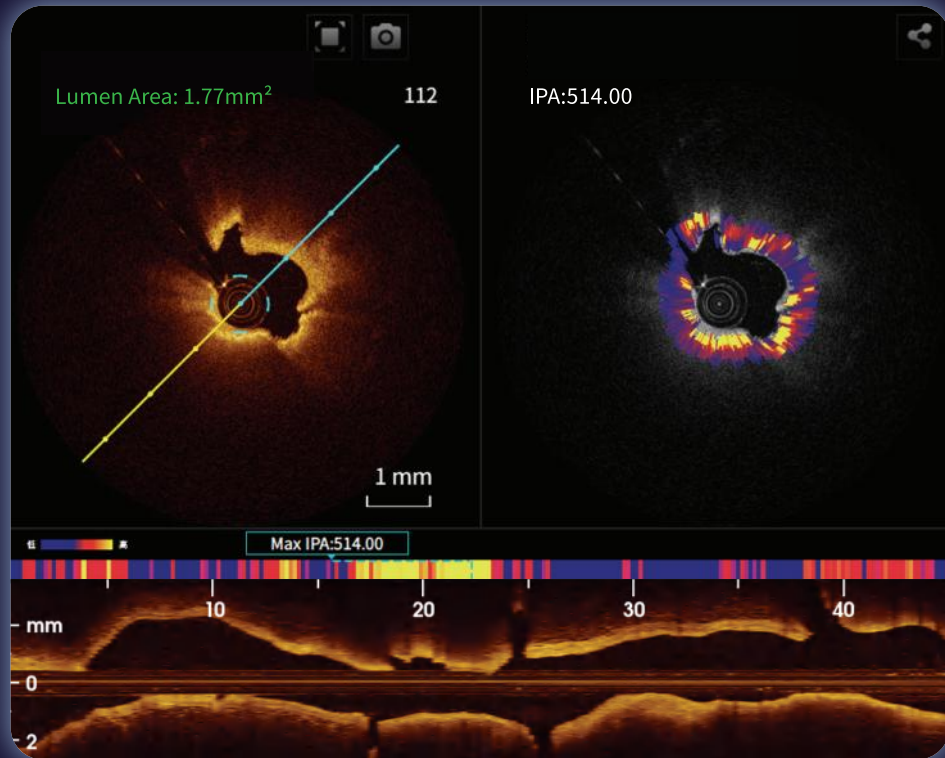
Compatible with Various Flushing Medias
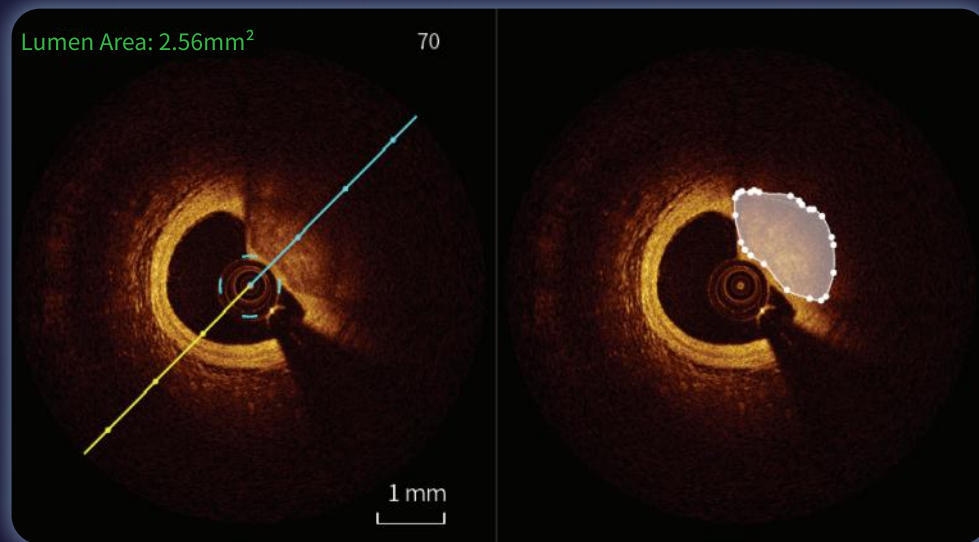
Contrast

Low-molecular Weight Dextran

Normal Saline

Innovative Technology

Lumen Area: 1.77mm²   112   IPA:514.00

1 mm

Max IPA:514.00

mm   10   20   30   40

Index of Plaque Attenuation, IPA

Auto assessment of plaque stability for PCI/CAS strategy selection, available after a single pullback without extra cost & time

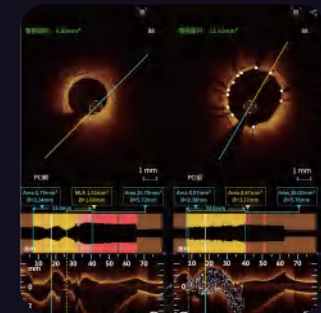Lumen Area: 2.56mm²   70

1 mm

Intelligent Calcium Assessment, ICA

Automated assessment of calcified lesion severity by an AI algorithm simplifies the treatment of calcified lesions
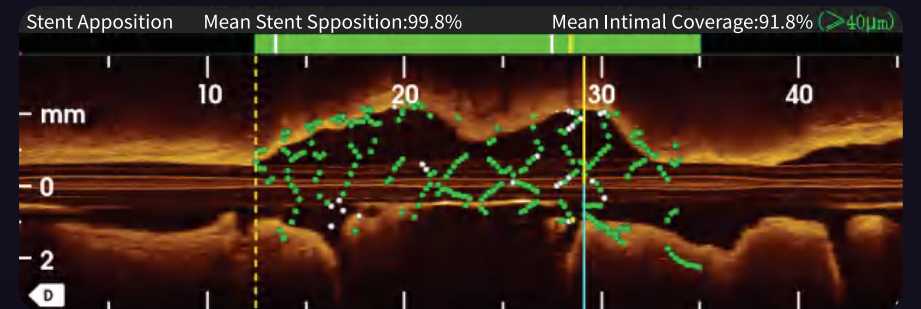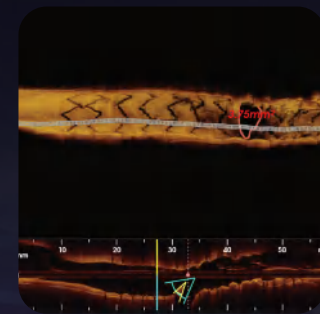
First-in-class OCT Solutions

Coronary   1 mm   Carotid
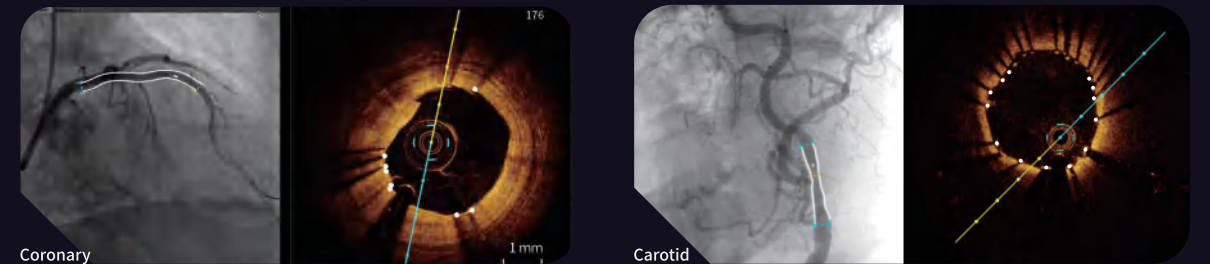
ACR
(OCT Angiographic Co-registration)

Pre & Post PCI/CAS Images Fusion for Comparison

3D View

Stent Apposition   Mean Stent Spposition:99.8%   Mean Intimal Coverage:91.8% (>40μm)

mm   10   20   30   40

Auto-calculation of Stent Neointimal Coverage Rate

Auto Assessment for Bifurcation Lesions

Stent Apposition   Mean Stent Spposition:99.5%

Auto Assessment of Stent Apposition

Mean Stent Expansion:84.9%   MEI=33%   MSA<1.69mm²
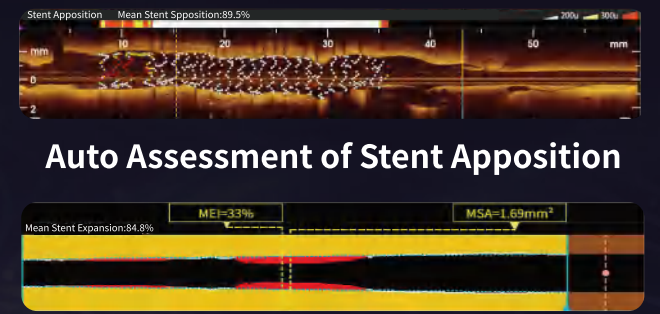
Stent Expansion Index with Innovative Algorithm